

Appendix table 2-34.

**First university degrees and ratio of first university degrees and S&E degrees to 24-year-old population, in selected regions and locations, by sex: 1999 or most recent year**

Region/location	All first university degrees	Total science & engineering	S&E degree fields			Number of 24-year-olds	Ratio of <sup>a</sup>			
			Natural sciences <sup>b</sup>	Social and behavioral sciences <sup>c</sup>	Engineering		First univ. degrees	NS&E degrees	Social and behavioral sciences degrees	
				Male						
<b>Asia</b>										
Japan .....	335,815	276,468	23,419	160,267	92,782	906,774	37.0	12.8	17.7	
South Korea .....	96,952	62,637	14,299	9,789	38,549	426,977	22.7	12.4	2.3	
Taiwan .....	43,245	24,616	8,103	1,858	14,655	197,531	21.9	11.5	0.9	
<b>Middle East</b>										
Israel .....	9,589	5,602	1,740	2,413	1,449	55,400	17.3	5.8	4.4	
<b>Europe</b>										
Austria .....	7,454	2,779	1,046	375	1,358	49,200	15.2	4.9	0.8	
Belgium .....	6,808	2,387	927	320	1,140	64,770	10.5	3.2	0.5	
Czech Republic .....	9,945	4,351	1,384	185	2,782	88,600	11.2	4.7	0.2	
Denmark .....	6,153	2,997	1,379	1,042	576	35,071	17.5	5.6	3.0	
Germany .....	108,946	59,197	8,500	23,035	27,662	470,589	23.2	7.7	3.8	
Hungary .....	15,429	5,896	1,673	799	3,424	80,000	19.3	6.4	1.0	
Ireland .....	7,145	2,735	1,490	192	1,053	32,679	21.9	7.8	0.6	
Italy .....	58,931	26,257	8,108	4,883	13,266	401,404	14.7	5.3	1.2	
The Netherlands .....	36,876	14,576	4,341	3,719	6,516	100,858	36.6	10.8	3.7	
Norway .....	12,656	3,608	1,107	612	1,889	28,881	43.8	10.4	2.1	
Spain .....	86,070	31,255	13,372	5,217	12,666	331,370	26.0	7.9	1.6	
Sweden .....	11,625	5,788	1,461	681	3,646	52,122	22.3	9.8	1.3	
Switzerland .....	11,059	3,698	1,224	410	2,064	41,910	26.4	7.8	1.0	
Turkey .....	69,066	27,439	9,617	11,132	6,690	585,730	11.8	2.8	1.9	
United Kingdom <sup>b</sup> .....	121,676	54,988	27,464	8,766	18,758	368,677	33.0	12.5	2.4	
<b>North America</b>										
Canada .....	51,268	25,631	9,183	9,575	6,873	202,414	25.3	7.9	4.7	
Mexico .....	134,563	27,203	7,585	2,963	16,655	1,027,892	13.1	2.4	0.3	
United States .....	525,714	200,221	78,906	71,740	49,575	1,714,571	30.7	7.5	4.2	
<b>Oceania</b>										
Australia .....	51,985	16,138	9,265	2,068	4,805	139,456	37.3	10.1	1.5	
New Zealand .....	7,090	1,961	1,494	102	365	30,400	23.3	6.1	0.3	
<b>Female</b>										
<b>Asia</b>										
Japan .....	196,621	74,058	9,299	54,101	10,658	864,837	22.7	2.3	6.3	
South Korea .....	115,774	26,034	13,008	6,472	6,554	399,873	29.0	4.9	1.6	
Taiwan .....	44,176	10,106	4,808	3,315	1,983	187,363	23.6	3.6	1.8	
<b>Middle East</b>										
Israel .....	14,730	5,469	1,155	3,978	336	53,600	27.5	2.8	7.4	

See explanatory notes, if any, and SOURCE at end of table

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Region/location	All first university degrees	Total science & engineering	S&E degree fields			Number of 24-year-olds	Ratio of <sup>a</sup>		
			Natural sciences <sup>b</sup>	Social and behavioral sciences <sup>c</sup>	Engineering		First univ. degrees	NS&E degrees	Social and behavioral sciences degrees
<b>Europe</b>									
Austria .....	6,911	1,391	591	690	110	47,200	14.6	1.5	1.5
Belgium .....	6,299	1,410	734	545	131	62,582	10.1	1.4	0.9
Czech Republic .....	8,854	1,065	231	273	561	85,200	10.4	0.9	0.3
Denmark .....	5798	2,009	883	927	199	33,744	17.2	3.2	2.7
Germany .....	88,205	31,514	11,055	15,458	5,001	448,555	19.7	3.6	3.4
Hungary .....	22,559	3,193	1,328	993	872	76,000	29.7	2.9	1.3
Ireland .....	8,309	2,157	1,370	549	238	30,958	26.8	5.2	1.8
Italy .....	74,037	20,025	9,757	7,820	2,448	387,732	19.1	3.1	2.0
Norway .....	21,412	2,177	610	897	670	30,046	71.3	4.3	3.0
The Netherlands .....	38,297	5,872	1,773	3,441	658	96,820	39.6	2.5	3.6
Spain .....	121,828	22,405	10,894	7,925	3,586	315,870	38.6	4.6	2.5
Sweden .....	18,162	3,809	1,022	1,704	1,083	52,845	34.4	4.0	3.2
Switzerland .....	7,587	1,477	505	836	136	40,354	18.8	1.6	2.1
Turkey .....	46,040	16,280	7,502	7,090	1,688	574,231	8.0	1.6	1.2
United Kingdom <sup>b</sup> .....	141,995	38,011	22,249	11,886	3,876	350,153	40.6	7.5	3.4
<b>North America</b>									
Canada .....	73,593	28,737	9,456	17,554	1,727	194,735	37.8	5.7	9.0
Mexico .....	56,461	15,299	4,576	6,020	4,703	1,010,514	5.6	0.9	0.6
United States .....	673,865	190,397	65,535	113,523	11,339	1,688,468	39.9	4.6	6.7
<b>Oceania</b>									
Australia .....	72,777	11,211	6,962	3,248	1,001	133,476	54.5	6.0	2.4
New Zealand .....	11,294	1,565	1,164	221	180	29,000	38.9	4.6	0.8

NS&E = natural sciences and engineering

<sup>a</sup>Ratios are number of degrees per 100 of the 24-year-old population.

<sup>b</sup>Includes former colleges and polytechnics.

NOTES: Data for Japan, Taiwan, Germany, and the United Kingdom are for 1999. All other locations are for 1998. Natural sciences include physics, chemistry, astronomy, and earth, atmospheric, ocean, biological, and agricultural sciences, as well as mathematics and computer science degrees. Japanese social science data also include business administration. Mexican social science data are estimated.

SOURCES: **ASIA: Japan**—Ministry of Education, Science, and Culture (Monbusho), *Monbusho Survey of Education* (Tokyo); **South Korea**—Ministry of Education, *Statistical Yearbook of Education* (Seoul, 2000); **Taiwan**—Ministry of Education, *Educational Statistics of the Republic of China* (Taipei, 2000); **EUROPE: France**—Ministère de l'Éducation Nationale, *Repères et Références Statistiques sur les Enseignements et la Formation* (Vanves, 2000); **Germany**—Statistisches Bundesamt Wiesbaden, *Prüfungen an Hochschulen* (Wiesbaden, 2000); **United Kingdom**—Higher Education Statistics Agency, unpublished tabulations; **NORTH AMERICA: Canada**—Association of Universities and Colleges, unpublished tabulations, 1998; **Mexico**—Asociación Nacional de Universidades e Instituciones de Educación Superior, *Anuario Estadístico 1999: Población Escolar de Licenciatura en Universidades e Institutos Tecnológicos* (2000); **United States**—National Science Foundation, Division of Science Resources Studies (NSF/SRS), *Science and Engineering Degrees 1966–98* NSF 01–325 (Arlington, VA, 2001).